**ROBERTO LOPEZ-ANIDO, Ph.D., P.E.**

|  |  |
| --- | --- |
| Malcolm G. Long '32 Professor of Civil Engineering  Department of Civil and Environmental Engineering  Advanced Structures and Composites Center  University of Maine, Orono, ME 04469-5711 | Phone: 207-581-2119  [RLA@maine.edu](mailto:RLA@maine.edu)  <http://www.civil.umaine.edu/rla>  <https://composites.umaine.edu/people/rla> |
| ORCID: <https://orcid.org/0000-0001-8702-0642>  Google Scholar: <https://goo.gl/ZeTBzg> | Research Gate: <https://goo.gl/xB7T7B> | |

# Professional Preparation

* **Ph.D. in Civil Engineering** (Emphasis on Structures, Mechanics and Materials)

West Virginia University (WVU), Morgantown, WV, May 1995.

* **Degree in Civil Engineering** (equivalent to B.S. plus two years of Graduate Studies)

National University of Rosario (UNR), Argentina, July 1985.

# Qualification Summary

Professor Lopez-Anido has over 24 years of experience in the areas of mechanics of fiber-reinforced polymer (FRP) composites for construction, durability analysis of composite materials, advanced experimental methods for composites, composites manufacturing, rehabilitation of civil infrastructure, design of composite structures, and structural health monitoring. He is a research leader in FRP composites at UMaine’s Advanced Structures and Composites Center. He has produced 69 refereed journal publications, 90 conference publications, one book and 6 patents.

# Professional Appointments

* 2009-present: **Professor**, Dept. of Civil & Environmental Engineering, Univ. of Maine.
* 2004-2009: **Associate Professor**, Dept. of Civil & Environmental Engineering, Univ. of Maine.
* 1998-2004: **Assistant Professor**, Dept. of Civil & Environmental Engineering, Univ. of Maine.

# Awards and Honors

1. Best Technical Paper Award for Green Composites. Composites & Polycon 2009. American Composites Manufactures Association (ACMA), Jan. 2009.
2. Fulbright Scholar Award. U.S. Department of State and the J. William Fulbright Foreign Scholarship Board. Visiting Scholar at Universidad de Chile, 2006.
3. National Science Foundation – CAREER Award. Division of Civil and Mechanical Systems, Directorate for Engineering, Mar. 2001.

# Selected Publications Closely Related to the Proposed Work Note: Student co-authors are underlined.

1. Warren, K.C., Lopez-Anido, R.A., Goering, J. "Experimental investigation of three-dimensional woven composites," Composites Part A: Applied Science and Manufacturing, 73, 242–259, 2015.
2. Warren, K.C., Lopez-Anido, R.A., Vel, S.S., and Bayraktar, H.H. “Progressive Failure Analysis of Three-Dimensional Woven Carbon Composites in Single-Bolt, Double-Shear Bearing,” Composites Part B: Engineering, 84 (2016) 266–276 (Open Access). <https://doi.org/10.1016/j.compositesb.2015.08.082>
3. Berube, K., Lopez-Anido, R., and Goupee, A. "Determining the Flexural and Shear Moduli of Fiber Reinforced Polymer Composites using Three-Dimensional Digital Image Correlation," Experimental Techniques, 40: 1263. doi:10.1007/s40799-016-0127-4 (2016).
4. Bhandari S., Lopez-Anido R.A. and Gardner, D.J. “Enhancing the interlayer tensile strength of 3D printed short carbon fiber reinforced PETG and PLA composites via annealing,” Additive Manufacturing 30 (2019). <https://doi.org/10.1016/j.addma.2019.100922>
5. Bhandari S., Lopez-Anido R.A., Wang, L. and Gardner, D.J. “Elasto-Plastic Finite Element Modeling of Short Carbon Fiber Reinforced 3D Printed Acrylonitrile Butadiene Styrene Composites,” The Journal of The Minerals, Metals & Materials Society, JOM 72, 475–484 (2020). <https://doi.org/10.1007/s11837-019-03895-w>